Claims

1. Turret-moored vessel comprising a hull, a cylindrical shaft in the hull having a shaft wall and a cylindrical turret with a turret wall rotatably mounted inside the shaft via at least one bearing, the turret comprising at its lower part at or near keel level anchoring lines attached to the sea bed, characterised in that a water intake pipe extends from below sea level through the turret via an opening in the turret wall to an annular water reservoir extending around the turret wall, the water reservoir being stationary with respect to the hull, a second water duct connecting the water reservoir to a cooling unit.

2. Turret-moored vessel according to claim 1, the second reservoir being formed by a space between the turret wall and the shaft wall, an annular sealing member bridging the space between the turret wall and the shaft wall for forming the bottom of the water reservoir.

3. Vessel according to claim 2, the bottom of the turret being closed, at least one opening being provided in the lower part of the turret wall, which opening is in fluid communication with the reservoir.

4. Vessel according to claim 1, the water reservoir being formed by a substantially box-shaped annular member, having an annular opening facing the turret wall, the water duct extending through the turret wall and projecting through the annular opening into the box-shaped reservoir.

5. Vessel according to claim 4, the box-shaped member supporting on an upper surface an upper bearing connected to the turret wall.

6. Vessel according to any of the preceding claims, a further water reservoir in the hull being placed in fluid contact with the water reservoir.

7. Vessel according to any of the preceding claims, wherein the cooling unit is part of an LNG liquefaction plant on the vessel.

8. Vessel according to any of the preceding claims, at least one hydrocarbon riser extending through the turret, to a swivel supported on the turret.

9. Vessel according to any of the preceding claims, a pump unit being supported at or near a lower end of the intake pipe.

10. Vessel according to any of the preceding claims, wherein the intake pipe has a length of at least 100m, preferably at least several hundreds of meters.